

**Notice of Allowability**

Application No.

10/035,930

Applicant(s)

GOUDIE

Examiner

Art Unit

Raymond Phan

2111

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment and remarks filed on July 26, 2004.
2. ☒ The allowed claim(s) is/are 20,22 and 24-41.
3. ☒ The drawings filed on 13 May 2002 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some\* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

  
**TMVO**  
**PRIMARY EXAMINER**

*Examiner's Amendment*

1. Claims 20, 22, 24-41 are allowable over the prior art of records.
2. An Examiner's Amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 C.F.R. § 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the Issue Fee.

Authorization for this Examiner's Amendment was given in a telephone interview with Mr. Robert Bodi (Reg. #48,540) on October 18, 2004.

The title of invention amended as follows:

--Arbiter for queue management system, is arranged such that amount of time required for accessing bus gain by each bus master is percentage of total bus time—

3. The application has been amended as follows:
  - a. Page 1, line 2, insert the title --Field of the Invention--.
  - b. Page 1, line 2, insert the title -- Cross-References to Related Applications— then add the following paragraph,  
--This application claims the benefit of United Kingdom Patent Application No. 0031763.6 filed on December 29, 2000.--
  - c. Page 1, line 6, insert the title --Background of the invention—
  - d. Page 1, line 15, insert the title --Summary of the invention—
  - e. Page 3, line 5, insert the title --Brief Description of the Drawings—
  - f. Page 3, line 13, insert the title --Detailed description of the prefer embodiment—
  - g. Page 10, insert --What is claimed is: --, following "Claims"
  - h. Claim 33 (page 5, line 2), replace "23" with --22—following claim
  - i. Claim 38 (page 7, line 3), replace "22-37" with --22, 24-37—
  - j. Claim 39 (page 8, line 3), delete "23" following "22,"
  - k. Claim 41 (page 8, line 3), delete "23" following "22,".

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4. Any comments considered necessary by applicant must be submitted no later than the payment of the Issue Fee and, to avoid processing delays, should preferable **accompany** the Issue Fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to examiner Raymond Phan, whose telephone number is (703) 306-2756. The examiner can normally be reached on Monday-Friday from 7:30AM-4:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's Primary Examiner, Paul Myers can be reached on (703) 305-9656 or via e-mail addressed to paul.myers@uspto.gov. The fax phone number for this Group is (703) 746-7239.

Communications via Internet e-mail regarding this application, other than those under 35 U.S.C. 132 or which otherwise require a signature, may be used by the applicant and should be addressed to [raymond.phan@uspto.gov].

All Internet e-mail communications will be made of record in the application file. PTO employees do not engage in Internet communications where there exists a possibility that sensitive information could be identified or exchanged unless the record includes a properly signed express waiver of the confidentiality requirements of 35 U.S.C. 122. This is more clearly set forth in the Interim Internet Usage Policy published in the Official Gazette of the Patent and Trademark on February 25, 1997 at 1195 OG 89.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 305-3900.

*Raymond Phan*  
October 18, 2004



**TIMVO**  
**PRIMARY EXAMINER**

***Allowable Subject Matter***

1. Claims 20, 22, 24-41 are allowable over the prior art of records.
2. The instant application is deemed to be directed to an unobvious improvement over the invention patented in Pat. No. 5,784,569 and 5,485,586. The improvement features include the arbiter being arranged so that the amount of time that each bus master can gain bus access is a percentage of the total bus time, and prioritization means for allocating priority levels for bus mastership when a given bus master does not request bus mastership during its allocated percentage of time.  
The examiner agreed to allow the case after incorporating the above allowable features into the claims 20, 22, 37.
3. Any comments considered necessary by applicant must be submitted no later than the payment of the Issue Fee and, to avoid processing delays, should preferably **accompany** the Issue Fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."
4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to examiner Raymond Phan, whose telephone number is (703) 306-2756. The examiner can normally be reached on Monday-Friday from 7:30AM-4:00 PM.  
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